

### SECTION 1: Product identifier

#### 1.1. GHS Product identifier

Product form : Mixture  
Trade name : Buffered Peptone Water HQ (ISO)  
Product code : NCM0270

#### 1.2. Other means of identification

Part Number(s) : 700004773|NCM0270A|700004774|NCM0270B|700004775|NCM0270C|NCM0270

#### 1.3. Recommended use of the chemical and restrictions on use

No additional information available

#### 1.4. Details of manufacturer or importer

##### Manufacturer

Neogen Corporation  
620 Leshler Place  
Lansing Michigan 48912  
United States of America  
T 800.234.5333  
[sds@neogen.com](mailto:sds@neogen.com) - <https://www.neogen.com/>

##### Importer

Neogen Australasia Pty Ltd  
14 Hume Drive  
Bundamba Queensland 4304  
Australia  
T 07 3736 2134  
[naa@neogen.com](mailto:naa@neogen.com) - <https://www.neogen.com/>

#### 1.5. Emergency phone number

Emergency number : 24 hours:  
Medical: 1-800-498-5743 (U.S. and Canada) or 1-651-523-0318 (international)  
Spill/CHEMTREC: 1-800-424-9300 (U.S. and Canada) or 1-703-527-3887 (international)

| Country/Area | Organisation/Company   | Address                              | Emergency number | Comment |
|--------------|--|--------------------------------------|------------------|---------|
| Australia    | NSW Poisons Information Centre<br>The Children's Hospital at<br>Westmead | Locked Bag 4001<br>NSW 2145 Westmead | 13 11 26         |         |

### SECTION 2: Hazard identification

#### 2.1. Classification of the hazardous chemical

##### Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Acute toxicity (oral), Category 5 H303  
Acute toxicity (dermal), Category 5 H313

#### 2.2. GHS Label elements, including precautionary statements

Signal word (GHS AU) : Warning  
Contains : Sodium chloride ( $\geq 15 - < 25$  %); potassium dihydrogenorthophosphate ( $\geq 5 - < 10$  %)  
Hazard statements (GHS AU) : H303+H313 - May be harmful if swallowed or in contact with skin  
Precautionary statements (GHS AU) : P312 - Call a POISON CENTER or doctor if you feel unwell.  
Unknown acute toxicity (GHS AU) : 66.83% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)  
91.58% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)  
99.01% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

#### 2.3. Other hazards which do not result in classification

No additional information available

# Buffered Peptone Water HQ (ISO)

## Safety Data Sheet

according to the WHS Regulations

### SECTION 3: Composition and information on ingredients

This mixture does not contain any substances to be mentioned according to the applicable regulations

### SECTION 4: First aid measures

#### 4.1. Description of necessary first-aid measures

|                                       |   |
|---------------------------------------|---|
| First-aid measures general            | : Call a poison center or a doctor if you feel unwell.                            |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.                  |
| First-aid measures after skin contact | : Wash skin with plenty of water. Take off contaminated clothing.                 |
| First-aid measures after eye contact  | : Rinse eyes with water as a precaution.  |
| First-aid measures after ingestion    | : Rinse mouth. Call a poison center or a doctor if you feel unwell.               |
| Self protection of the first-aider    | : First aid workers will be equipped with suitable personal protective equipment. |

#### 4.2. Symptoms caused by exposure

|                                     |  |
|-------------------------------------|--|
| Symptoms/effects after inhalation   | : None under normal conditions. Dust of the product, if present, may cause respiratory irritation after excessive inhalation exposure. |
| Symptoms/effects after skin contact | : May be harmful in contact with skin.   |
| Symptoms/effects after eye contact  | : None under normal conditions. Dust from this product may cause eye irritation.   |
| Symptoms/effects after ingestion    | : May be harmful if swallowed.   |

#### 4.3. Medical attention and special treatment

|                                   |                          |
|-----------------------------------|--------------------------|
| Other medical advice or treatment | : Treat symptomatically. |
|-----------------------------------|--------------------------|

### SECTION 5: Fire-fighting measures

#### 5.1. Extinguishing media

|                                |                                    |
|--------------------------------|------------------------------------|
| Suitable extinguishing media   | : Water spray. Dry powder. Foam.   |
| Unsuitable extinguishing media | : Do not use a heavy water stream. |

#### 5.2. Specific hazards arising from the chemical

|  |   |
|--|---|
| Fire hazard                                      | : No fire hazard.   |
| Explosion hazard                                 | : No direct explosion hazard.   |
| General measures                                 | : Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage. |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released.  |

#### 5.3. Special protective equipment and precautions for fire-fighters

|                                |   |
|--------------------------------|---|
| Firefighting instructions      | : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.              |

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

|                  |   |
|------------------|---|
| General measures | : Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage. |
|------------------|---|

##### 6.1.1. For non-emergency personnel

|                      |  |
|----------------------|--|
| Protective equipment | : Wear recommended personal protective equipment.                      |
| Emergency procedures | : Ventilate spillage area. Avoid contact with skin, eyes and clothing. |

##### 6.1.2. For emergency responders

|                      |   |
|----------------------|---|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
|----------------------|---|

# Buffered Peptone Water HQ (ISO)

## Safety Data Sheet

according to the WHS Regulations

Emergency procedures : Evacuate unnecessary personnel.

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and materials for containment and cleaning up

For containment : Using a clean shovel, put the material in a dry container and cover without compressing it.  
Methods for cleaning up : Mechanically recover the product.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Do not get in eyes, on skin, or on clothing. Wear personal protective equipment.  
Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep in a cool, well-ventilated place away from heat.  
Storage conditions : Keep cool. Protect from sunlight.  
Storage temperature : 2 – 30 °C  
Packaging materials : Store always product in container of same material as original container.

## SECTION 8: Exposure controls and personal protection

### 8.1. Control parameters - exposure standards

No additional information available

### 8.2. Monitoring methods

No additional information available

### 8.3. Engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

### 8.4. Individual protection measures, such as personal protective equipment (PPE)

Personal protective equipment : Wear recommended personal protective equipment.  
Hand protection : Protective gloves  
Eye protection : Safety glasses  
Skin and body protection : Wear suitable protective clothing  
Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment

#### Personal protective equipment symbol(s)



Environmental exposure controls : Avoid release to the environment.

## SECTION 9: Physical and chemical properties

Physical state : Solid  
Appearance : Powder.  
Colour : Beige  
Odour : Characteristic  
Odour threshold : No data available

# Buffered Peptone Water HQ (ISO)

## Safety Data Sheet

according to the WHS Regulations

|   |                                  |
|---|----------------------------------|
| pH  | : 6.8 – 7.2                      |
| pH solution                                     | : No data available              |
| Relative evaporation rate (butylacetate=1)      | : No data available              |
| Melting point / Freezing point                  | : Freezing point: Not applicable |
| Boiling point                                   | : No data available              |
| Flash point                                     | : Not applicable                 |
| Auto-ignition temperature                       | : Not applicable                 |
| Flammability                                    | : No data available              |
| Vapour pressure                                 | : No data available              |
| Relative density                                | : No data available              |
| Density   | : No data available              |
| Solubility                                      | : Soluble in water.              |
| Partition coefficient n-octanol/water (Log Pow) | : No data available              |
| Viscosity, kinematic                            | : Not applicable                 |
| Explosive properties                            | : No data available              |
| Explosive limits                                | : Not applicable                 |
| Minimum ignition energy                         | : No data available              |
| Fat solubility                                  | : No data available              |

### SECTION 10: Stability and reactivity

|                                    |  |
|------------------------------------|--|
| Reactivity                         | : The product is non-reactive under normal conditions of use, storage and transport.                   |
| Chemical stability                 | : Stable under normal conditions.  |
| Possibility of hazardous reactions | : No dangerous reactions known under normal conditions of use.   |
| Conditions to avoid                | : None under recommended storage and handling conditions (see section 7).                              |
| Incompatible materials             | : No additional information available  |
| Hazardous decomposition products   | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

### SECTION 11: Toxicological information

|                             |  |
|-----------------------------|--|
| Acute toxicity (oral)       | : May be harmful if swallowed.         |
| Acute toxicity (dermal)     | : May be harmful in contact with skin. |
| Acute toxicity (inhalation) | : Not classified                       |

#### Buffered Peptone Water HQ (ISO)

|                 |                           |
|-----------------|---------------------------|
| ATE AU (oral)   | 2576.916 mg/kg bodyweight |
| ATE AU (dermal) | 2833.288 mg/kg bodyweight |

|                                   |  |
|-----------------------------------|--|
| Unknown acute toxicity (GHS AU)   | : 66.83% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)<br>91.58% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)<br>99.01% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist)) |
| Skin corrosion/irritation         | : Not classified.<br>pH: 6.8 – 7.2   |
| Serious eye damage/irritation     | : Not classified<br>pH: 6.8 – 7.2  |
| Respiratory or skin sensitization | : Not classified   |
| Germ cell mutagenicity            | : Not classified   |
| Carcinogenicity                   | : Not classified   |
| Reproductive toxicity             | : Not classified   |
| STOT-single exposure              | : Not classified   |
| STOT-repeated exposure            | : Not classified   |
| Aspiration hazard                 | : Not classified   |

#### Buffered Peptone Water HQ (ISO)

|                      |                |
|----------------------|----------------|
| Viscosity, kinematic | Not applicable |
|----------------------|----------------|

# Buffered Peptone Water HQ (ISO)

## Safety Data Sheet

according to the WHS Regulations

### SECTION 12: Ecological information

#### 12.1. Ecotoxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.  
Hazardous to the aquatic environment, short-term (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Not classified

#### 12.2. Persistence and degradability

##### Buffered Peptone Water HQ (ISO)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

Ozone : Not classified  
Other adverse effects : No additional information available

##### Buffered Peptone Water HQ (ISO)

|                              |       |
|------------------------------|-------|
| Fluorinated greenhouse gases | False |
|------------------------------|-------|

### SECTION 13: Disposal considerations

Regional waste regulation : Disposal must be done according to official regulations.  
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Sewage disposal recommendations : Disposal must be done according to official regulations.  
Product/Packaging disposal recommendations : Comply with applicable regulations for solid waste disposal. Disposal must be done according to official regulations.  
Additional information : Do not re-use empty containers.

### SECTION 14: Transport information

In accordance with ADG / IMDG / IATA

| ADG                                     | IMDG          | IATA          |
|---|---------------|---------------|
| <b>14.1. UN number</b>                  |               |               |
| Not regulated for transport             |               |               |
| <b>14.2. UN Proper Shipping Name</b>    |               |               |
| Not regulated                           | Not regulated | Not regulated |
| <b>14.3. Transport hazard class(es)</b> |               |               |
| Not regulated                           | Not regulated | Not regulated |
| <b>14.4. Packing group</b>              |               |               |
| Not regulated                           | Not regulated | Not regulated |
| <b>14.5. Environmental hazards</b>      |               |               |
| Not regulated                           | Not regulated | Not regulated |

# Buffered Peptone Water HQ (ISO)

## Safety Data Sheet

according to the WHS Regulations

### 14.6. Special precautions for user

Specific storage requirement : No data available  
Shock sensitivity : No data available

### 14.7. Additional information

Other information : No supplementary information available

#### Transport by road and rail

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

### 14.8. Hazchem or Emergency Action Code

Hazchem Code : Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations

#### Australian Industrial Chemicals Introduction Scheme (AICIS)

Australian Inventory of Industrial Chemicals (AICIS Inventory) status : All the chemicals contained in this product are listed introductions

#### Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

No additional information available

#### Australian Pesticides and Veterinary Medicines Authority (APVMA)

No additional information available

### 15.2. International agreements

No additional information available

## SECTION 16: Other information

Revision date : 13/10/2025

### Classification

|                       |      |
|-----------------------|------|
| Acute Tox. 5 (Oral)   | H303 |
| Acute Tox. 5 (Dermal) | H313 |

### Full text of H-statements

|                                  |  |
|----------------------------------|--|
| Acute Tox. 5 (Dermal)            | Acute toxicity (dermal), Category 5      |
| Acute Tox. 5 (Oral)              | Acute toxicity (oral), Category 5        |
| Skin Corr./Irrit. Not classified | Skin corrosion/irritation Not classified |
| H303                             | May be harmful if swallowed              |
| H313                             | May be harmful in contact with skin      |

Safety Data Sheet (SDS), Australia

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.